

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006896

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A62C39/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A62C A62B E04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 1 169 210 A (M. J. WALSH) 25 January 1916 (1916-01-25) the whole document	1-5, 10
A	-----	6
Y	US 3 040 815 A (MICHAEL PAMBELLO SAMUEL) 26 June 1962 (1962-06-26) the whole document	1-5, 10
A	-----	7, 8
A	US 6 136 423 A (FITZPATRICK PETER J) 24 October 2000 (2000-10-24) claim 7	9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

26 October 2004

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03/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	DE 38 09 754 A (FAINI SPA) 10 November 1988 (1988-11-10) column 2, lines 11-29 column 3, lines 1-9 column 3, lines 36-40; figures 1-3 -----	
A	US 5 315 292 A (PRIOR MITCHELL K) 24 May 1994 (1994-05-24) abstract figures 1,4,9 -----	
A	DE 41 02 330 A (SIT SCHMIDTKE INDUSTRIE TECHNIK ; PROMAT GMBH (DE)) 20 August 1992 (1992-08-20) column 2, lines 62-68 - column 3, lines 1-30; figures 5-7 -----	
A	US 3 654 996 A (NAGLOWSKY MICHAEL) 11 April 1972 (1972-04-11) the whole document -----	

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DE 3809754	A	10-11-1988	IT 1207793 B IT 1221575 B DE 3809754 A1 ES 2006865 A6 FR 2614209 A1 GB 2205037 A	01-06-1989 12-07-1990 10-11-1988 16-05-1989 28-10-1988 30-11-1988
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